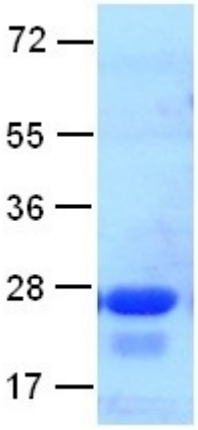
ARF6(Δ12Q67L) PROTEIN

Arf6(Δ12Q67L) Mutant

Cat. #: 10125
Product Name: Arf6 Protein Δ12Q67L mutant
Synonyms: ADP-ribosylation factor 6
Source: Human, recombinant, His6-tag
Expression Host Species: E. coli
Molecular Weight: 20 kDa
Purity: >95% by SDS-PAGE
Introduction: Arf6 is a member of the ARF super-family. ARF genes encode small GTPases that increase the ADP-ribosyltransferase activity of cholera toxin and are critical for vesicular trafficking as activators of phospholipase D. Arf6 regulates membrane trafficking and the actin cytoskeketon at the plasma membrane and functions as a regulatory molecule of phagocytosis.
Amino Acid Sequence (1-175, Δ12, Q67L)
MGKVLSKIFGN-EMRILMLGLDAAGKTTILYKLKLGQSVTTIPTVGFNVETVTYKNVKFNVWDVGGL DKIRPLWRHYYTGTQGLIFVVDCADRDRIDEARQELHRIINDREMRDAIILIFANKQDLPDAMKPHE IQEKLGLTRIRDRNWYVQPSCATSGDGLYEGLTWLTSNYKS
Properties
Physical Appearance (form): Dissolved in 20mM Tris-HCl, pH8.0, 150mM NaCl.
Physical Appearance (form): White or clear
Concentration: 1mg/mL
Storage: -80°C
Preparation Instructions:
Centrifuge the vial before open the cap and reconstitute in water. Adding of 10 mM β-mercaptoethanol or 1 mM DTT into the solution to protect the protein is recommended and using of non-ionic detergents such as n-Dodecyl β-D-maltoside (DoDM) or polyethylene detergents (e.g. C12E10) also help to stabilize the protein. Avoid repeated freezing and thawing after reconstitution. The purity of His-tagged Arf6 Δ12Q67L mutant was determined by SDS-PAGE and Coomassie Brilliant Blue Staining.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS



References:

1. Cavenagh, M. M. et al., J. Biol. Chem. 271: 21767-21774, 1996.
2. D'Souza-Schorey, C. et al., Science 267: 1175-1178, 1995.
3. Falace, A. et al., Am. J. Hum. Genet. 87: 365-370, 2010.
4. Hernandez-Deviez, D. J. et al., Nature Neurosci. 5: 623-624, 2002.
5. O'Neal, C. J. et al., Science 309: 1093-1096, 2005.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS